

Experiment Number: A44271

Test Type: Genetic Toxicology - Micronucleus

Route: Dermal

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Coconut oil acid diethanolamine condensate

CAS Number: 68603-42-9

Date Report Requested: 09/20/2018

Time Report Requested: 14:30:03

NTP Study Number:

A44271

Study Duration:

92 Days

Study Methodology:

Slide Scoring

Male Study Result:

Positive

Female Study Result:

Positive

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Tissue: Blood; Sex: Male; Number of Treatments: 66; Time interval between final treatment and cell sampling: 0 h

MN NCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	1.60 ± 0.40	
50.0	5	2.30 ± 0.25	0.1309
100.0	5	2.90 ± 0.43	0.0262
200.0	5	3.00 ± 0.61	0.0194
400.0	5	2.70 ± 0.20	0.0465
800.0	5	3.50 ± 0.42	0.0039 *
Trend p-Value		0.0150 *	

Trial Summary: Positive

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Tissue: Blood; Sex: Female; Number of Treatments: 66; Time interval between final treatment and cell sampling: 0 h

MN NCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	1.40 ± 0.10	
50.0	5	1.70 ± 0.25	0.2949
100.0	5	2.20 ± 0.25	0.0910
200.0	5	2.30 ± 0.41	0.0693
400.0	5	2.10 ± 0.37	0.1182
800.0	5	3.40 ± 0.19	0.0019 *
Trend p-Value		0.0010 *	

Trial Summary: Positive

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LEGEND

MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte

CAS Number = Chemical Abstracts Service registry number

N = Number of subjects

Values given as Mean or Mean \pm Standard Error Mean

Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean

Pairwise comparison to the concurrent control, dosed groups significant at $p = 0.025/\text{number of treatment groups}$; positive control value is significant at $p = 0.05$

Cochran-Armitage trend test, significant at $p = 0.025$

* Statistically significant pairwise or trend test

1: Vehicle Control: Ethanol

**** END OF REPORT ****